Vol. XXIV. No. 23.

BOSTON, MASS., FRIDAY, NOVEMBER 18, 1904.

PRICE THREE CENTS.

## TECH RIOT HEARING.

## Students Witnesses are Being Examined.

When the Tech riot hearing was resumed Tuesday morning, November 15, Mr. Arthur D. Hill conducted the examination of witnesses in behalf of the Institute. The morning was taken up with the hearing of testimony from citizens who had witnessed the affair, some of whom had been clubbed by the police. One witness denied that the students "rushed for the steps," but that they approached the steps without any commotion, and without disturbing the police and spectators on the sidewalk in the least. Many of the witnesses testified to having seen several women clubbed repeatedly by the policemen.

In the afternoon the first Tech students, who were actual participants in the fracas, to testify at the inquiry, were put on the stand. H. B. Spear, '07, R. C. Caryl, '08, and A. E. Skillings, '08, told their stories and exhibited their scars. In each case the wound was on the back of the student's head, and the victim said he was struck in the street after the fighting on the steps. In every case the officers seemed to have lost their heads, and in many cases they continued to club a man after he had been knocked down. The hearing was adjourned until Thursday morning.

#### Chess Club.

There will be an important meeting of all those interested in Chess, in Room 11, Rogers, Saturday, November 19, at 1 p.m. At this time the details of the tournament to be played by the members of the Club will be presented and discussed. Any man intending to join the Club should be present, and should make arrangements to be at the Union during the afternoon, as play in the tournament will be started at that time.

#### Mining Engineering Society.

On Monday evening, November 21, at 7.45 P.M., Dr. T. A. Jaggar will address the members of the Mining Engineering Society on, "Geology and Mining."

## AMERICAN CHEMICAL SOCIETY

#### Meeting of the Northeastern Section To be Held Tonight.

The fifty-fifth regular meeting of the Northeastern Section of the American Chemical Society will be held Friday, November 18, at 8 P.M., at the Tech Union. The election of officers of the Section for 1904-1905, will be held at this meeting. following nominations have been made: President, James F. Norris; Vice-president, Walter L. Jennings; Secretary, Arthur M. Comey; Treasurer, John W. Brown; Executive Committee, Gregory P. Baxter, Robert S. Weston, Carl O. Weber, Lyman C. Newhall, Edgar F. Billings; Councillors, Charles R. Sanger, Charles L. Parsons, Albert E. Leach.

The meeting will be devoted to a discussion of "The Future Supply of Nitrogen." Dr. W. H. Walker, the retiring president, will consider "The Fixation of Atmospheric Nitrogen Through Chemical and Electro-Chemical Means." Dr. George T. Moore, Director of the Laboratory of Plant Physiology, at the Department of Agriculture, Washington, will describe "The Fixation of Atmospheric Nitrogen by means of Micro-Organisms." All interested in the subject are cordially invited to attend.

#### Civil Engineering Society.

The next regular meeting of the Civil Engineering Society will be held in Room 11, Eng. B, at 4.15 r.m., Monday, November 21. Mr. Windsor, who is connected with the Charles River Basin Commission, will give the Society an informal talk on the proposed Charles River Dam. It is hoped that all members of the Society will be present. Others who are interested in the new dam are cordially invited to attend.

#### Student Convocations.

Booker T. Washington will address a general convocation of the students and faculty in Huntington Hall, on December 14. Lyman Abbot is also expected to address the students and faculty sometime in the near future.

#### A. I. E. E. MEETING.

## Interesting Talk on the Telautograph.

The Boston Branch of the American Institute of Electrical Engineers, held its seventh regular meeting last night in 6 Lowell. The following officers for the ensuing year were elected: Pres., Richard Fleming; Sec. and Treas., G. W. Stickney; Exec. Com, James I. Ayer, Russell Robb, C. B. Burleigh, C. L. Edgar, Dr. Kennelly, the President and Secretary of the M. I. T. Electrical Engineering Society. Immediately after the election, the Secretary read a very interesting description of the Society's new building now being built in New York. Mr. Andrew Carneige donated the ground for the build-

Mr. Henry Keep then gave a very interesting talk on the Telauto-graph, an instrument for electrical transmission. He read a paper written by Mr. James Dixon, and illustrated his talk with a working model.

#### Personal Hygiene.

Dr. White, the Medical Adviser, in accordance with the custom of the last three years, will give three lectures to the first-year class on "Personal Hygiene." These lectures will take the place of the lectures on "Military Science" on Saturdays from eleven to twelve o'clock, on November 19, 26 and December 3. These lectures are interesting and instructive, and all who are interested are welcome.

#### Mechanical Engineering Society.

Yearly dues must be paid before Saturday, November 19. Dues for old members are fifty cents, and for new members one dollar (fifty cents inititation fee and fifty cents yearly dues.) The treasurer may be found at desk 452, in the fourth year Mechanical Engineering Drawing room, in Eng. A, at any of the following hours: Wednesday, November 16, 9-12 and 2-4; Thursday, November 17, 9-1; Friday, November 18, 10-12.

F. H. GOLDTHWAIT,

Treasurer.

## CROSS COUNTRY RUN.

#### Annual New England Contest to be Held at West Roxbury.

The sixth annual New England Cross Country Championship Run will be held on November 24 at 10 a.m. The run will be under the auspices of the New England Amateur Athletic Union. It will start and finish at the St. Alphonsus Association in West Roxbury, and will be over a course of ten miles.

Regular New England championship medals of gold, silver and bronze, will be given to the winners of first, second and third places respectively.

Applications for entrance may be had of J. F. Facey, 36 Prospect Street, Cambridge, and the entrees will close with A. J. Hill, 21 Bromfield Street, Boston, on November 21.

As announced in last Wednesday's Tech, the annual fall Cross Country Run will be held to-morrow at West Roxbury. This is a good chance for new men to come out and show what they can do, as the handicap limit is 1 minute per mile in an 8-mile run. Entries must be handed in to the Captain or Manager in person or at the Cage before 2 P.M. to-day. Train leaves Back Bay Station at 2.10 P.M.

#### Rhodes Scholarships.

Announcement has been made by the Rhodes Scholarship Trust that the next qualifying examination will be held in each State of the Union not later than the middle of January, 1905. It was found last spring that the examinations were held so late there was not sufficient time after the scholars had been selected to assign them to the various colleges at Oxford. For this reason the next examination will be held in January.

Mr. Odin Roberts, a well known patent attorney, is giving a series of lectures on "The Nature and Functions of Patents for Invention." The second lecture will be given tomorrow at 12 o'clock in 6 Lowell. The third and fourth lectures come the two following Saturdays, November 26, and December 3, at the same time and place. Mr. Roberts has given these lectures for several years to the students.

# The Tech

Published every Monday, Wednesday and Friday during the college year (from September to June), by students of the Massachusetts Institute of Technology.

Application pending for entry in the Boston Post-office as second-class mail matter.

#### Editorial Staff.

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Contributions are requested from all under-graduates, alumni and officers of instruction. No anonymous manuscript can be accepted. All communications regarding subscrip-tions or advertisements, should be addressed to the Business Manager.

- \$1 50 per year in advance. Single Copies 3 Cents.

In charge of this issue : A. H. Donnewald, 1907

Friday, November 18, 1904.

WILLIAM A. NICHOLS, PRINTER, 203 SUMMER ST., REAR

We regret to announce the resignation of Mr. A. Merrill, 1905, from the Editorial Staff of THE TECH.

#### The Lowell Institute.

Several persons have inquired of late concerning the Lowell Institute. For the benefit of those who do not know just what it is, THE TECH wishes to offer a word of explanation. It owes its origin to the intellectual bent of the early New Englanders. Instruction by means of lectures had always been a favorite method among them. College professors taught their classes by means of lectures, and instruction in the professional schools was given in the same manner. The doctor and the lawyer were not infrequently called upon to deliver lectures for the benefit of the various communities, and after a while agencies were established to organize courses of lectures.

The inducements to men of talent to undertake the preparation of thorough and systematic courses were too meagre, and the result was that no permanent series in any branch of knowledge could be sustained. This difficulty was solved by Mr. John Lowell, Jr., who at his death, in 1839, bequeathed half of his property to the support of public lectures for the benefit of his fellowcitizens. The endowment was so

substantial that the Lowell Institute was, and is, able at all times to command almost any man it may name as lecturer.

Special lecture courses on a variety of subjects have been arranged from year to year, and the courses for the present year include "Geology," "The Russian Crisis," "The Sanitation of Cities," and others. Admission to these lectures is free and by ticket only. Tickets may be obtained from W. T. Sedgwick, Curator of the Lowell Institute.

#### Course II vs. Course XIII.

A movement is being started to hrve a football game between Course II and Course XIII. There is very good material in both these courses for a football team, and in the event of a game a very interesting contest should be the result.

FALL RIVER, MASS., Nov. 11, '04-To the Commanding Officer,

M. I. T. Cadets.

Boston, Mass.

DEAR SIR: I have the honor to invite you and the members of your command to attend Company A's prize drill and social to be held in Fall River Music Hall, Friday evening, November 25, at 7.30 o'clock, Uniformed cadets admitted free.

> Respectfully yours, ARTHUR W. SAMPSON,

> > Major.

There will be no Kommer's at the Union Saturday night, Nov. 19.

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#### FACULTY NOTICES.

Courses II. and X.

Rooms 26 and 28 Lowell have been assigned for the examination in Steam Engineering, to be held on November 18, from 8 to 10 A.M.

#### Fourth Year Astronomy.

Time and Latitude Observations will be on Friday, November 18, if weather is clear. Meet at 5 P.M., at corner of Art Museum, on Trinity Place

#### Mechanical Measurements.

The Field Party for Friday, November 18, will take the 2.10 p.m. train for Newton Upper Falls, from Trinity Place Station. The following men will please attend this Field Party: Lynde, Merrill, Munroe, Nicholson and Whiteomb.

DWIGHT PORTER.

#### Theoretical Engineering.

Problems due November 23, are No. 3 and 4, Chapter I. Newtonian Potential Functions.

#### Oil Analysis.

Lectures in Oil Analysis will begin next Monday, November 21, at 9 o'clock, in Room 24, Walker.

A. H. GILL,

#### Mechanical Engineering Society.

There will be an excursion of the Mechanical Engineering Society on

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Saturday, November 19, to the Charles River Iron Works, Cambridgeport. Men intending to go should be in Room 20, Eng. A., at 1.30 г.м.

#### Reading Notices.

Lost, Monday, Nov. 16, 1904, Richard's Notes on Mining Engineering (blue flexible cover), Lodge's new notes on Assaying, and Assay lab, note-book. Finder please leave at Cage and oblige,

Angelo T. Haywood, '06 III.

#### Wanted.

Man to care for fires and act as secretary's assistant in care of Y, M. C. A. building a few miles from Boston, in exchange for well furnished room, privileges of Association, and two dollars per week. Duties would occupy about fifteen minutes in the morning and an hour at night. Inquire at Dean's office.

A bicycle was taken into the Walker Building on the night of the Torchlight Parade, November 2. It was left in the rack on the outside of the building. Owner may have the same by applying to Janitor of Walker Building and identifying property.

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#### Found.

A pair of eyeglasses, probably lost the night of the torchlight affair. The owner may have the same by calling at the Cage and identifying property.

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#### CALENDAR.

FRIDAY, NOVEMBER 18. 1.00 P.M. 1905 Class Meeting, 23 Walker. Important. Nominations for Port-

4.00 P.M. Mandolin Club rehearsal, 31 Rogers.

SATURDAY, NOVEMBER 19.
11.00 A. M. 1908 Class Meeting.
1.00 P.M. Chess Club Meeting, 11 Rogers.

2.10 P.M. Cross Country Run, West Roxbury. Train leaves Back Bay Station at 2.10 P.M.

4.15 r.m. Meeting of the Civil Eng. Society in Room 11, Eng. B.

7.45 p. m. Mining Engineering Society Meeting at Tech Union.

#### Theatre Attractions

BOSTON MUSIC HALL.-Vaudeville. CASTLE SQ.—"The Dancing Girl."
COLONIAL. — Mr. Richard Mansfield in Repertoire. GLOBE.—Alice Nellson's Production, "The Fortune Teller."

HOLLIS .- William Gillette in "Admirable Crichton."

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